This is our VVRC REPEATER print version. An expanded online version is available by free subscription. Go to w6vvr.net

VACAVALLEY RADIO CLUB

REPEATER
REPEATER
REPEATER
REPEATER
REPEATER
REPEATER
REPEATER
REPEATER

VACAVILLE , CALIFORNIA **April 2016**

President's Message

It's Almost Here!

Yes, the annual ARRL Field Day event will be here before pretty soon and I'm hoping to make it to this year's event since I wasn't able to last year and with the upcoming event, I'd like to see a good club turnout of its members (and non-members) so that everyone can GOTA. And the event isn't just for HF operations, but VHF & UHF operations as well. If you only have a VHF or UHF or a VHF/UHF combo rig and radio, I want to see those club members with these radio types out at this year's event. Since I will not be presiding at the April club meeting because I will be in Visalia at the DX Convention, I hope to hear of a good member meeting turnout.

It's my understanding that Bruce, N6THN will be the April presenter and his presentation will be on power supplies and that covers a lot of good sources. I hope that the 60" wide screen monitor helps out his presentation!

At the May 2016 club meeting, I will be putting together a committee for the Field Day event so that everything that is needed at the event is addressed in advance of the event. So if serving on the committee is something that is of interest to you, please attend the May 2016 meeting.

At the June 2016 meeting, I will look for a member(s) to tackle the issue of where the 2016 Christmas Party will be held at and what types of worthwhile prizes should

Continued on page 2

IN THIS ISSUE

President's Message----------1&2
Jan Meeting Notes----------1&2
Youth net Web Page----------2
Extra Class Question Pool----------3
Deletion of Kingman Reef----------3
Club Presentation Reminder----------3
TechTips----------4
Comparing radio----------5
Skip; AF6HC's Latest DX QSL's----------5
Amateaur Radio Class----------6
Man Depressed after DX contest ends-------7
New Field Day Score Multipliers----------7
Holes in the Sun----------8
Ham Gets Help During Fire----------8
40+ uses for WD-40----------9
Application and Misc----------10

March 2016 VVRC Meeting notes

Up first is feed back from Frank (KJ6RWQ) regarding the Vacaville Farmers Market. A date has been set for Saturday, August 6. Since we are a club, there will be no fee for setting up. The intent is to have a remote station setup and give us exposure.

There is basic literature available from ARRL to hand out at no charge.We'll need to work up some club specific literature in the future.

Buddy pole type setup for HF.
HT and/or mobile for VHF/UHF demo
Pop up canopy

Next topic is field day, Frank, Brian, Marcus vocalized having 2016 field day at the Nut Tree Airport. This would also give the VVRC better exposure to the public by not being in a remote location. Marcus asked & tasked the responsibility of communicating to the Nut Tree Airport of doing field day to Tom (KD6MDM) & Skip (AF6HC)

Current plans for the upcoming addition to Tuesdays 8PM formal net is a informal net
The informal net will be held before the formal net meeting on the first Tuesday after the monthly in-person meeting at Nut Tree. This will give time for three to four times that the band, frequency & mode will be announced via, the newsletter, Tuesday net and in-person meeting.

Following up with the informal net idea; Brian (KK6BXP) has emailed out a questionnaire for what bands you can operate on. There was also a question asking what can you do for the VVRC.
As of now (Mar. 23rd) there has been 11 of 21 responses to the email sent. I'll repeat the last question here: As JFK asked what you could do for your country, I ask what can you do for the VVRC?

No new business for the month of March.

Skip (AF6HC) gave a passionate call out to all of us to remember where we have been as a club. The ups

Continued on page 2

President's Message Continued from Page 1------->

this club be looking at giving away. So make sure to attend both the May and June 2016 club meetings!

Onto another topic: How is your station doing these days? Are you getting the most out-of-it or do you feel that your station needs more to it? What mode(s) are you into these days? Simplex or Repeater FM? HF SSB? CW only? Digital? AM only? Satellites? Or are you the type of station operator who is dabbling in every mode just mentioned? And if yes that you are, I think the club members would like to hear about your exploits OTA so that those club members who have pondered the idea of trying out a operating mode can hear from someone who is doing it so one gets an idea of what to expect (and not to expect) when operating that particular radio mode.

Are you buying pre-made coax cable because you're a bit unsure if you can produce quality grade connections because that's something you've not done yet? Well, I want to hear from those operators who would like to try and fabricate their connections so they can only buy the amount of coax they would likely need in their shack and forgo the choice in buying pre-made coax. You know, it's really an easy task to attach those PL-259 connectors. And what about the type of coax your station needs? Do you know what type is needed? Did you ever wonder what type is best? This and many other radio related subjects are good presentation choices and I'm sure this club could come up with good presenters so the mystery is taken out of the context of things so that members have a better understanding and a better working knowledge of what is of good value for them and their station.

One thing that I would like to have is a suggestion box where anyone can put a suggestion into the box so that more good valuable information is presented to the general membership in the form of workshops and presentations. Don't you agree?

Gotta Go! 7 3

Marcus Maclean, Pres., KI6WDX

Meeting Notes Continued from Page 1------->

and downs, pitfalls, gains that have always existed within any organization will always be there and it is our task at hand to power through the troubles and tribulations. This can be accomplished if we work together as a team, a family. There is many facets to us as a club and we can deliver on all points if we let ourselves do so. Many here are military retirees and do understand the importance of cross training. In meetings past, I (KK6BXP) have said the time for sitting on our hands and doing nothing is over.

---------->

Average call in for Tuesday night net is 10 of 21 paid up members. That is just shy of 50%. These these numbers are a rolling average from the beginning of the year. I do understand that some work at the time of the net. Some of the paid up members I have not met, not heard call in on Tuesday night nets, and have not seen at the monthly meeting.

Addendum from March's presentation. The Yaesu FTM-400D is also cross band capable.

Leadership is the art of getting someone else to do something you want done because he wants to do it.

Dwight D. Eisenhower

New ARRL Web Page for Youth Net Information

ARRL has published a new page on its website to share information about Amateur Radio nets created for youth participation. During the dry spells between bigger operating events like School Club Roundup, Kids Day, and Field Day, regular participation in a net develops operating skills and confidence and builds connections within the community of young hams.

A few nets that we know about — nets hosted from Michigan, Louisiana and Georgia — are already listed, but we would like to receive and share information about others. Please visit the page at www.arrl.org/youth-nets to find details about existing nets and to submit information about others.

THE VVRC WELCOMES YOU

The Vaca Valley Radio Club has proudly served the Northern Solano County Area since 1988. We pride ourselves in providing a friendly place for radio amateurs to meet and improve their operating skills.

We participate in public service events throughout the year and are always ready to assist with communications during times of emergency.

Browsw our website for more information about our club. If you have any questions please e-mail us at w6vvr@w6vvr.net or call 707-448-5665 for assistance

The Repeater is Published by the Vaca Valley Radio Club, PO Box 143, Elmira, CA 95625-0143, An ARRL Affiliated Club. Founded 1987, Chartered 1988. General Meetings: 2nd Thursday of each month at 7:00 PM 330 Nut Tree Road, (Nut Tree Airport)

Wheelchair accessible

3rd Public Domain Release of 2016-2020 Extra Class Question Pool

The NCVEC Question Pool Committee has released the 3rd version the FCC Element 4, Amateur Extra Class Question Pool originally released originally January 8, 2016

Public Domain Question Pool Files for Download have been replaced with NEW files that includes a 2nd errata of modifications, corrections and edits.

2016-2020 Amateur Extra Class Question Errata Pool with 2nd Errata.doc

2016-2020 Amateur Extra Class Question Pool Diagrams.pdf

We would like to remind the public that users of question pool documents are free to correct minor typographical or punctuation errors, including obvious minor omissions of same.

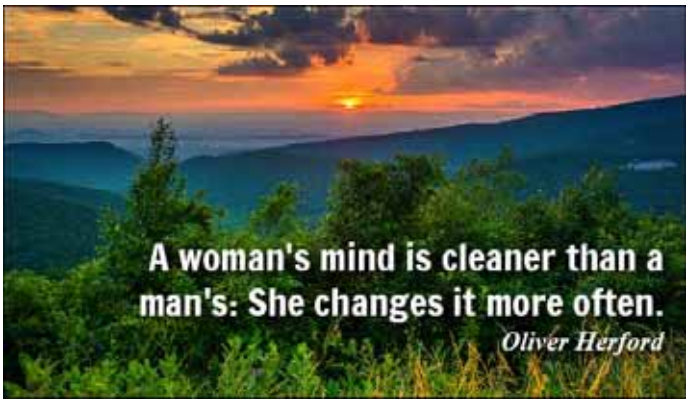
Such corrections must not cause a change in the meaning of a question or any of the proposed answers to the questions.

FCC Part 97 Rule citation notations are not part of the exam question itself, but are included as reference to the applicable section of the rules.
Any errors or future change to the FCC Part 97 Rules or notations are not considered adequate reason for removal of a question from the pool.

NCVEC QPC Chairman
Rol Anders, K3RA - Laurel VEC

Members of the Question Pool Committee:
Perry Green, WY1O - ARRLVEC
Larry Pollock, NB5X - W5YI VEC
Jim Wiley, KL7CC - Anchorage VEC

Email: qpcinput@ncvec.org



Deletion of Kingman Reef-DX Bulletin 13 ARLD013

From ARRL Headquarters
SB DX ARL ARLD013
ARLD013 DXCC Deletion of Kingman Reef

The ARRL Awards Committee has voted to delete Kingman Reef (KH5K) from the DXCC List, effective 29 March, 2016. Kingman Reef will be added to the Deleted Entities List on 29 March, 2016. The total number of entities on the List will drop from 340 to 339.

The deletion process is described in DXCC Rules Section II DXCC List Criteria, Part 5(a) Deletion Criteria: "An entity may be deleted from the List if it no longer satisfies the criteria under which it was added. However, if the entity continues to meet one or more currently existing rules, it will remain on the List."

With respect to the previous paragraph's text, Kingman Reef's original addition by virtue of separate administration has changed (separate administration by the U.S. Navy has been removed), and the reef does not meet any current criteria to remain on the list. The U.S. Fish and Wildlife Service administers Kingman Reef and Palmyra Island. The reef is too close to Palmyra Island to count as a separate entity. The reef is now considered part of the Palmyra/Jarvis DXCC entity.

DXCC members who have affirmed credit with Kingman Reef will see their current entity totals drop by one on their DXCC awards -- including on the bands and modes where Kingman Reef credit is given. They will also see their DXCC Challenge totals drop commensurately.

Honor Roll status will now be attainable after confirming 330 entities on the DXCC List.

Presentation for April Club Meeting

As a part of the continuing educational lectures at the Vaca-Valley Radio Club, Bruce, N6THN, will give a presentation on power supplies.
His Presentation will be given after the club's regular meeting on April 14, 2016

THE BIT BUCKET

WORD TO THE WISE
Gin Pole

It's a device that is temporarily installed on a tower to lift tower sections, masts, antennas, and other items. It typically consists of a pulley atop a hollow pole. At the opposite end of the pole from the pulley is a clamp or other device that allows attachment to the tower. A rope or cable goes from the load, over the pulley, and through the pole. K7NV provides a nice diagram of gin pole use on his website.

Tech Tips

Crimping Tools

A few years ago when Powerpoles started to emerge as the standard connector for ARES and RACES applications, it was time for me to change out my Molex connectors. Having no initial success in finding a die set for my Paladin *CrimpALL* tool, I noticed that DX Engineering was not only selling a crimp tool, but also individual die sets for PowerPoles, RG-8, RG8X and uninsulated and insulated wire connectors. After an exchange of e-mails with DX Engineering staff, I ordered the PowerPole die set. DX Engineering was not sure if it would fit my crimp tool but offered to accept its return if it did not. Eureka — it fit perfectly as if Greenlee manufactured it! Subsequently, I purchased the RG-8 and RG-8X die sets for UHF and BNC connectors.

If any readers owns a Paladin/Greenlee 8000 series *CrimpALL* tool, they can be safe in ordering the dies discussed above from DX Engineering. I am in no way connected with DX Engineering, just a satisfied customer.— *Joseph Walc, W4EEI, Asheville, North Carolina*

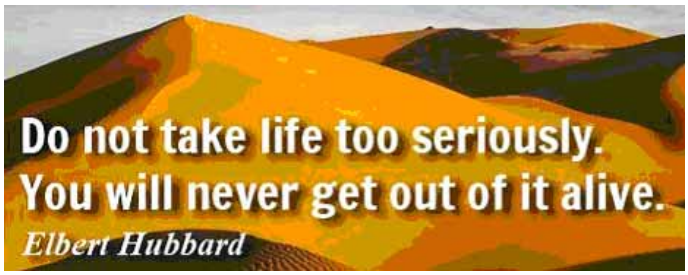
---------->

NET CONTROL OPERATORS

1st week of month-Jerry Bowen, KJ6SCC
2nd week of month-Kim Ware, KJ6JNX
3rd week of month-Frank Garay, KJ6RWQ
4th week of month-Brian Hagen, KK6BXP
On months with 5 weeks-Bob Hewitt, K6HEW

Solar Panels

When looking at solar panels, there are three basic technologies: Amorphous, Poly-Crystalline, and Mono-Crystalline. Amorphous panels are common for small panels because they are inexpensive and can be cut to any size, but they wear out more quickly and/or not very efficient. They are usually a deep brown color. I recommend avoiding them. Poly-Crystalline is a good technology and should be the minimum acceptable.They are typically bluish tint and usually have a fractured pattern. Mono-Crystalline are the best. They last a very long time and have the best efficiency.These typically look black and usually have cells that look like rectangles with two clipped corners. There are some flexible panels, but their efficiency is usually not very good. For my heavy deployable go-kit, I use a solar package similar to the USA STOCK 100 watt 12 volt Folding Solar Panel with one or two 50 Ah batteries, depending on the circumstances. — *John Bloodgood, KD0SFY , Pikes Peak (Colorado) ARES*



Visit the Repeater online courtesy of Bob K6HEW at: w6vvr

Club repeater in Vacaville:w6vvr.net 145.470 MHz(-) pl 127.3 The W6VVR net call is Tuesday evenings at 8pm on the club repeater. All are invited to participate in this weekly meeting on the air. 73!
Additional local repeater
WV6F 440.025(+)

Comparing radio today to radio yesterday is an exercise in futility

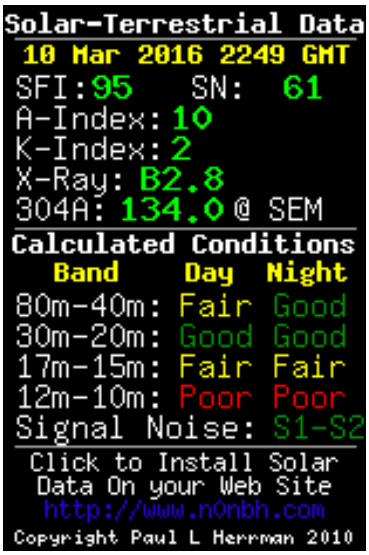
3/10/2016

Comparing radio today to radio yesterday is an exercise in futility, to be sure. Yesterday the bands were "alive" shoulder to shoulder — albeit with TX7's and T32's, true enough – but non-the-less, in the frequency feeding frenzy I was snagging DX's like crazy! Oh, what fun!!

Just took a quick look at the DX spots and while it appears that there are enough to keep any sane person busy and happy, I was only able to hear about 3 of them from 30M – 10M. It's funny though that all three of them were a derivation of a TX7 or T32… LOL! Otherwise, the bands are *Q-U-I-E-T* as can be – QSO speaking. Even the 15M door to "*JA-land*" was closed… go figure!

Can we blame it on the propagation?? I really dunno about that…. but since the "A"- index is back UP again, I suppose that lacking any other *good excuse*, what the heck — let's blame it on sun, he's not here to defend himself….. LOL!

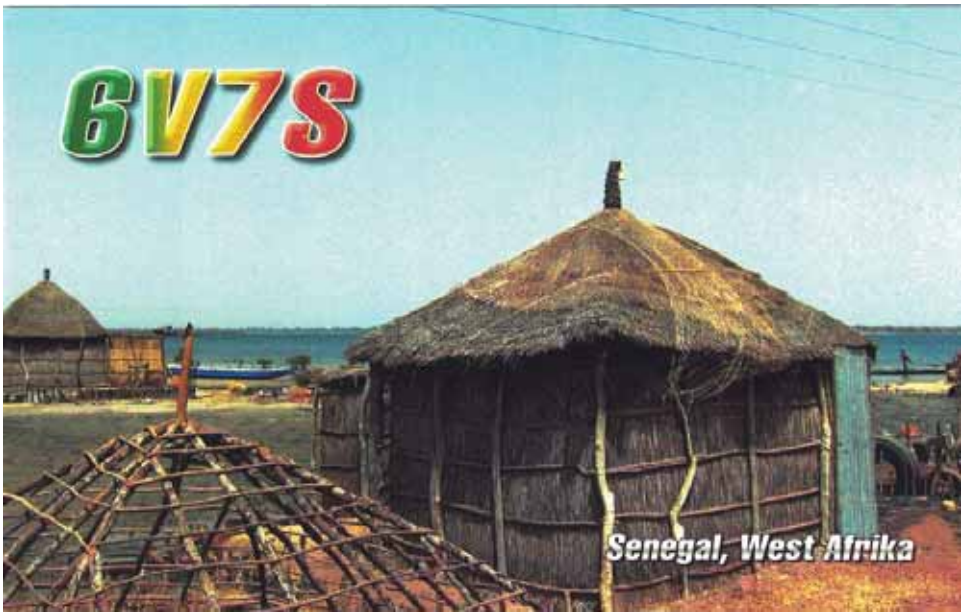
Wishing you "good DX", de – Skip – AF6HC



Skip, AF6HC's Latest Hard earned QSLs

Check out that dragon bridge. Is that real or an artist's rendition?

Where are the antennas?



Saturday, May 14th, 2016 - Benicia, CA

AMATEUR RADIO LICENSE CLASS

Study Session followed by Exam

When: Saturday, May 14th, 2016
8:00 AM - 5:00 PM

Where: Benicia Senior Center
187 East L Street, Benicia

What: Technician Class (beginner's level)
General Class Upgrade (for those already licensed as a Tech)

Fee: $30.00 cash at the door
(Includes exam fee)

Register: www.BeniciaARC.com

Questions: HamRadioClass@BeniciaARC.com or Art at (707) 746-5858

Conducted by:
Benicia Amateur Radio Club (BARC)
Member W5YI VEC
Serving the Benicia Fire Department and the Residents of the City of Benicia

Class size is limited. Advance Registration is Required.
No prep or prior study required.

Prospective Hams should plan on attending a free Get-On-The-Air Class after passing their test, to become familiar with Amateur Radio operations

Reserve Your Space - Become a Ham in One Day!

Can't make the upcoming class? Check our website periodically for our next session.

Element 4 (Extra class) You need only pay the test fee of $14. We do not provide study materials for Element 4.

Man Depressed Months After Contest Ends

By WBØRUR, on the scene

PFLUGERVILLE, Ky. – A local ham radio operator says he's "depressed as heck" now that the ARRL's November sweepstakes is over.

Two months after Sweepstakes ended, Randy Blackwood says he's battling depression while he waits for November to come back around.

Randy Blackwood of rural Greene County, Kentucky, says he looks forward to the annual event like a kid looks forward to Christmas. "It's the high point of my ham radio activity for the year," says the 39-year-old school teacher and father of two.

"Last weekend, I got on 20 meters and called 'CQ Sweepstakes' just so people would call me back and tell me the contest was over," he sighed dejectedly. Organizers of other contests have reached out to Blackstone in an attempt to console and interest him in different operating activities, but with little luck.

"I called him personally and tried to get him to participate in our state QSO party," says Jack Campbell, who manages the Rhode Island QSO party. "No dice. He kept asking me for a serial number and precedence." Blackwood pauses as he sips a drink of coffee from his "clean sweep" mug.

"I'm even more depressed when I think about HOW LONG IT TAKES TO GET THE SWEEPSTAKES RESULTS IN THIS DAY AND AGE OF COMPUTERS! WHAT THE HECK DO THEY TABULATE RESULTS ON?! AN ABACUS?!"
He adds that he is "somewhat" looking forward to the "CQ WW DX Contest" later this year.

New Field Day Score Multipliers And Bonus Points Announced

By WBØRUR, on the scene

NEWINGSTEAD, Vt. — In a last minute decision designed to encourage a wider variety of amateur radio operating styles and practices, the National Radio Retransmission Legion (NRRL) has announced a new set of "multipliers and bonuses" for Field Day.

"We believe these increased scoring opportunities will allow a wider and more diverse group of operators to participate in Field Day," says Dr. Johnson Longsville, Director of NRRL Contests and Promotional Outreach. "While some of these may seem ever so slightly out of the norm, the League believes it is important to encourage participation through a variety of means. Recently, we implemented "non petroleum" power bonus, satellite QSO bonuses and several others. This is just a continuation of that on-going review and analysis."

The new multipliers and bonus points are listed in the table below, along with common nicknames.

OSCAR MEYER Bonus: 100 points
Operators eat nothing but bologna sandwiches for the duration of the contest
HOSTAGE Multiplier:2x score multiplier
All QSOs are made while blindfolded
FRUIT OF THE LOOM Bonus:150 points
Primary operator wears nothing but t-shirt and boxers
I JUST LEARNED TO TYPE Bonus: 50 points
Logging operator uses one finger on the computer keyboard
NOW WE'RE COOKING Multiplier: 2x score multiplier
CW Operators must roast a small chicken on the charcoal grill while making 10 QSOs
STAY OFF MY YARD Bonus:250 points
Yell at the neighbor kids while making a SSB transmission
THE AUSTRALIAN CRAWL Multiplier: 4x score multiplier
All on-air operators must simultaneously drink a pint of Foster's
MONKEY SEE, MONKEY DO Bonus: 100 points
One operator per transmitter must climb a tree and hold onto the station's feedline for 2.5 hrs
THE DIGITAL INSPECTION, IF YOU KNOW WHAT I MEAN Multiplier: 3x score multiplier
PSK31 /JT65 operators must live type all QSOs – NO MACROS
AND IT'S DEEP TOO! Bonus: 50 points
Teach a class on building a camp-site latrine

Happy April Fools Day!

Sometimes a long night of DXing can result in unexpected consequences

Holes in the Sun Are Threatening to Throw Birds, GPS Off Course

Brian K Sullivan WeatherSullivan

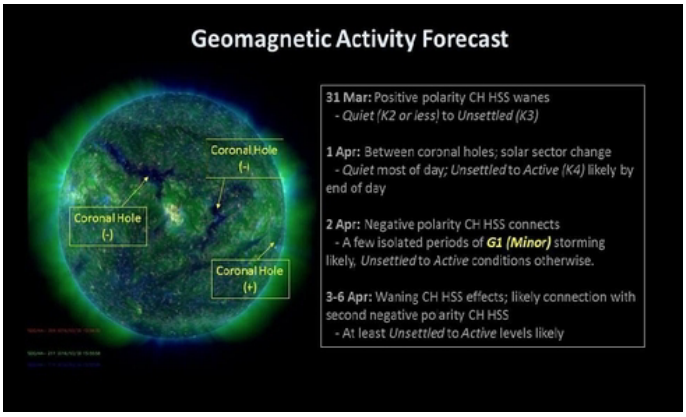
April 1, 2016 - 5:00 AM EDT

Solar wind arrives Saturday, touching off geomagnetic storms. Minor events could also show off Northern Lights in New York.

Birds flying north for the spring and humans relying on global positioning satellites to navigate could get a little lost this weekend.

Three coronal holes spread across the sun are pointing at the Earth. As a result, a minor geomagnetic storm alert has been issued for Saturday by the U.S. Space Weather Prediction Center in Boulder, Colorado, and the Space Weather Operations Centre of the U.K. Met Office in Exeter.

"Early on Day 3 (2nd April), a high-speed stream from coronal hole 67 is expected to reach Earth," said the Met Office.



Coronal holes-Source: NOAA

Forecasters in the U.S. and U.K. predict this could confuse migrating birds and other animals, cause minor problems with satellites and make an aurora visible as far south as Maine and Michigan.

The storms could rise to G2 level on a five-step scale, which would mean the Northern Lights might be seen in New York and some electrical transformers could be damaged.

Magnetic Lines

Viewed through X-ray telescopes, coronal holes can appear to be vast, dark, blank spaces in sun's swirling atmosphere. They are the places where the sun's magnetic lines don't return to the surface.

How does that work?

The solar wind, a stream of charged particles flowing away from the sun, bursts out with greater velocity from the coronal holes. When the holes point at the Earth, the planet is caught in even stronger winds and the chances of geomagnetic storms increase.

So for us Hams, I wonder what will be the effect this first weekend of April?

Isolated North Carolina Ham Uses Ham Radio to Get Help in House Fire Incident:

A ham living on remote Cedar Island off the coast of North Carolina recently used Amateur Radio to summon help after a fire broke out in his house.

"A station came on the [Pamlico Amateur Radio Society] repeater asking if anyone could contact the local fire department," said Bill Michne, WM3X, who lives in Oriental, North Carolina.

"The signal was broken up but readable after repeats."

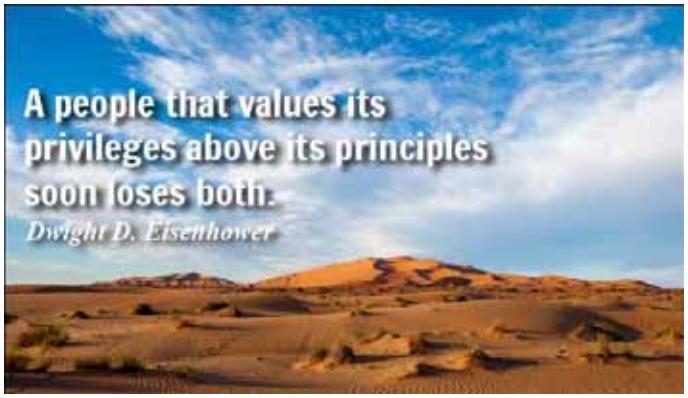
"What I learned was that the station was in Stacy, the operator's house was filling with smoke, and that he had no telephone to use to call for help."

Michne said he got the other ham's address and contacted 911, which called out the Stacy Fire Department. "

The fire apparatus arrived within a very short time," he added. The fire was said to have been contained to the attic, and damage was not severe.

The grateful ham was Mike Clutter, KM4COD, an occasional check-in to a local ARES net, who lives part-time on Cedar Island.

Thanks to Bill Michne, WM3X, and to Jamie King, KJ4JK



40+ uses for WD40

Water Displacement #40.
The product began from a search for a rust preventative solvent and degreaser to protect missile parts. WD-40 was created in 1953 by three technicians at the San Diego Rocket Chemical Company. Its name comes from the project that was to find a "water displacement" compound. They were successful with the fortieth formulation, thus WD-40. The Corvair Company bought it in bulk to protect their atlas missile parts.
Ken East (one of the original founders) says there is nothing in WD-40 that would hurt you.

Here are some of the uses:

1. Protects silver from tarnishing.
2. Removes road far and grime from cars.
3. Cleans and lubricates guitar strings.
4. Gives floors that just-waxed sheen without making it slippery.
5. Keeps flies off cows.
6. Restores and cleans chalkboards.
7. Removes lipstick stains.
8. Loosens stubborn zippers.
9. Untangles jewelry chains.
10. Removes stains from stainless steel sinks.
11. Removes dirt and grime from the barbecue grill.
12. Keeps ceramic/terra cotta garden pots from oxidizing.
13. Removes tomato stains from clothing.
14. Keeps glass shower doors free of water spots.
15. Camouflages scratches in ceramic and marble floors.
16. Keeps scissors working smoothly.
17. Lubricates noisy door hinges on vehicles and doors in homes
18. It removes black scuff marks from the kitchen floor! Use WD-40 for those nasty for and scuff marks on flooring. It doesn't seem to harm the finish and you won 't have to scrub nearly as hard to get them off Just remember to open some windows if you have a lot of marks.
19. Bug guts will eat away the finish on your car if not removed quickly! Use WD-40!
20. Gives a children's play gym slide a shine for a super fast slide.
21. Lubricates gear shift and mower deck lever for ease of handling on riding mowers.
22. Rids kid’s rocking chairs and swings of squeaky noises.
23. Spraying an umbrella stem makes it easier to open and close.
24. Restores and cleans padded leather dashboards in vehicles, as well as vinyl bumpers.
25. Restores and cleans roof racks on vehicles.
26. Lubricates and stops squeaks in electric fans.
27. Lubricates wheel sprockets on tricycles, wagons, and bicycles for easy handling.
28. Lubricates fan belts on washers and dryers and keeps them running smoothly.
29. Keeps rust from forming on saws and saw blades, and other too/s.
30. Removes splattered grease on stove.
31. Keeps bathroom mirror from fogging.
32. Lubricates prosthetic limbs.
33. Keeps pigeons off the balcony (they hate the smell).
34. Removes all traces of duct tape.
35. Folks even spray it on their arms, hands, and knees to relieve arthritis pain.
36. Florida's favorite use is: "cleans and removes love bugs from grills and bumpers."
37. The favorite use in the state of New York WiD-40protects the Statue of Liberty from the elements.
38. WD-40 attracts fish. Spray a LITTLE on live bait or lures andyou will be catching the big one in no time. Also, it's a lot cheaper than the chemical attractants that are made for just that purpose. Keep in mind though, using some chemical laced baits or lures for fishing are not allowed in some states.
39. Use it for fire ant bites. It takes the sting away immediately and stops the itch.
40. WD-40 is great for removing crayon from walls. Spray on the mark and wipe with a clean rag.
41. Also, if you've discovered that your teenage daughter has washed and dried a tube of lipstick with a load of laundry, saturate the lipstick spots with WD-40 and re-wash. Presto! Lipstick is gone!
42. If you sprayed WD-40 on the distributor cap, it would displace the moisture and allow the car to start.

P. S. The basic ingredient is FISH OIL.

Valley of the Moon Amateur Radio Club
presents

HAMFEST 2016

Saturday, April 30th, 8 am to 12 noon

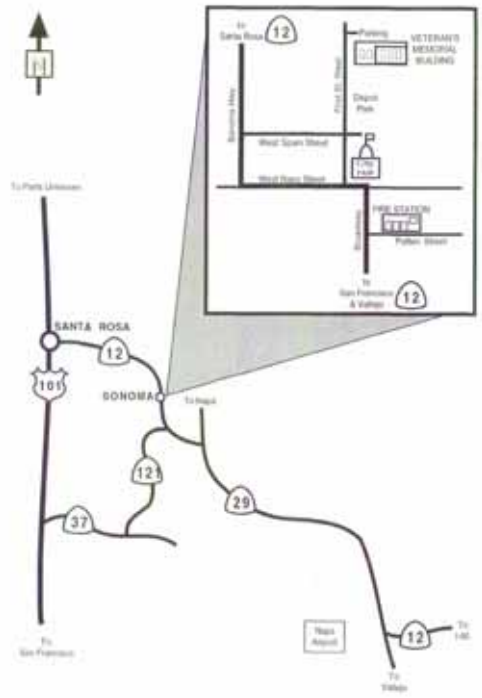
Featuring

- Swap Meet (indoor and outdoor spaces)
- Breakfast
- VE Testing Session
- Station Demos
- Fox Hunt

PLUS: special exhibit of vehicles that support emergency communications
Radio Control helicopter using 70cm.
On the air demo of FreeDV digital voice on HF

Sonoma Veterans Memorial Building
126 First Street West
Sonoma
For info: 707-935-7441

Admission: FREE
Breakfast: $8.00
Talk-in on 145.350 MHz (88.5 pl)
for flyer and map: www.vomarc.org



Map to Sonoma Hamfest

VACAVALLEY RADIO CLUB, INC.

MEMBERSHIP APPLICATION / RENEWAL FORM

Please Print & Fill in Completely

PLEASE RENEW YOUR MEMBERSHIP

Name: _____ Call Sign_____

Street: _____

City: _____Zip: _____

Phone: (_____) _____-_____OK to Publish ?(_____)

License Class: _____ ARRL Member ?(_____)

E-Mail Address_____

FAMILY Member (Spouse or Children)

Name: _____ Call Sign_____
License Class: _____ARRL Member ?(_____)

Name: _____ Call Sign_____
License Class: _____ARRL Member ?(_____)

MEMBER Dues _____$25.00

Each Family Member _____$ 2.00

Student _____$5.00

Repeater/Autopatch donation_____

Call/Name badge_____$11.00

Paid by CASH:/Check #_____

DATE: ____ _____ ____

TOTAL----------_____

Mail to : Vaca Valley Radio Club, PO Box 143, Elmira, CA 95625-0143